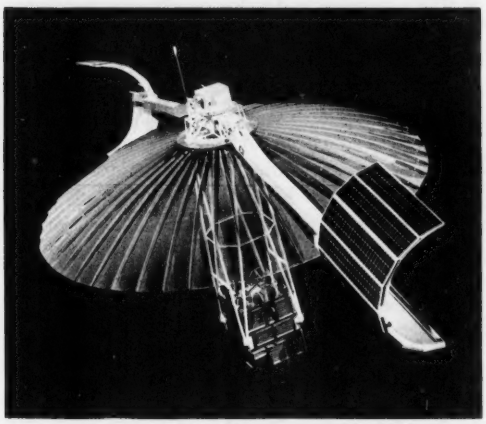
W26
W26.051
N741

NATIONAL LIBRARY OF MEDICINE
NEWS

Vol. XXIX, No. 6 | Bethesda, Maryland | June 1974

NLM to Use New NASA Satellite

Staffers at NLM's Lister Hill National Center for Biomedical Communications were holding their breaths the morning of May 30th. A sigh of relief greeted the news that NASA had successfully launched its new Application Technology Satellite-F (ATS-F), which the Library plans to use for health communication experiments in Alaska and the Pacific Northwest (*News,* September-October 1971). The ATS-F, launched from Cape Canaveral using a Titan III-C rocket is, according to NASA, the most complex, versatile, and powerful communications satellite ever developed.



NASA's 3090-pound ATS-F, "the most complex, versatile, and powerful communications satellite" in existence, consists essentially of an Earth Viewing Module (EVM) connected to a reflector antenna 30 feet in diameter when deployed. Electrical power is supplied by two semi-cylindrical solar panels on arms that extend over and beyond the antenna. The ATS-F was built by Fairchild Industries of Germantown, Md., under contract to NASA's Goddard Space Flight Center.

In its geosynchronous orbit some 22,300 miles above the equator, the ATS-F will match Earth's 24-hour rotational period and thus remain over a fixed point on the globe. The new spacecraft, to be renamed the ATS-6 when in orbit, will be used to test a variety of new space communications concepts—in all, more than 20 scientific experiments.

The first of the ATS series, the ATS-1, has been used by the Library since 1971 for an experimental medical communication network in Alaska. The ATS-6 will add two-way video communication to the voice link provided by ATS-1. Thus, health aides at several remote villages will be able to "present" patients to a physician at the Indian Health Service hospital in Tanana and receive professional guidance based on the doctor's "examination" of the patient. The hospital will even be able to call for consultation with specialists at the Alaska Native Medical Center in Anchorage, who will likewise be able to see the patient.

In a related experiment, the Lister Hill Center, working with the Bureau of Health Resources Development, hopes to use the ATS-6 satellite to bring "live" (two-way voice and video) instruction in the basic sciences to students and faculty at the University of Alaska in Fairbanks from the University of Washington in Seattle. Lectures, demonstrations, and classroom experiments will originate from both sites, and a lively interchange between students and faculty at both ends is expected.

Another part of the health education experiment will involve third- and fourth-year medical students studying under clinicians at Omak, in central Washington. The students will present patients (by video and voice transmission) to the

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

NATIONAL LIBRARY OF MEDICINE
NEWS

Martin M. Cummings, M.D. Director, NLM

Robert B. Mehnert, Chief, Office of Inquiries and Publications Management

Roger L. Gilkeson Editor (301) 496-6308

Daniel L. Carangi Graphics

Published monthly for health science libraries by the Office of Inquiries and Publications Management, National Library of Medicine, National Institutes of Health.

8600 Rockville Pike, Bethesda, Maryland 20014

medical faculty at the University of Washington. The faculty will be able to respond to the student by voice link. Students will make both formal and spontaneous case presentations.

After a full year of experimenting with the ATS-6, the Lister Hill Center staff hope to have amassed data to study the changes and (presumably) benefits brought to health care delivery in Alaska. After its first year in orbit, plans call for the satellite to be moved to a station over Africa, from which position the government of India will conduct large-scale experiments in bringing education to natives in that country's far-flung villages.

SIS Deputy Appointed

Dr. George J. Cosmides, previously Director of the Pharmacology Research Associate Training Program for NIH's National Institute of General Medical Sciences, has been named Deputy Associate Director for Specialized Information Services, NLM. His chief responsibility will be to assist Dr. Henry M. Kissman, Associate Director of SIS, in the coordination and management of the Toxicology Information Program.

Dr. Cosmides brings to NLM a wide range of experience in the fields of toxicology and pharmacology. He has a B.S. (Pharmaceutical Sciences) from the University of Pittsburgh and both an M.S. (Biochemistry) and Ph.D. (Pharmacology) from Purdue University. Dr. Cosmides has held both industrial and academic posts, having been

Dr. George J. Cosmides

employed at the Smith Kline & French Laboratories in Philadelphia and the University of Rhode Island. He has been at NIH since 1959, first at the National Institute of Mental Health (then part of NIH), helping to develop psychopharmacology as a new scientific discipline and to establish research and training programs in psychopharmacology, and then at the National Institute of General Medical Sciences, working in various capacities leading up to directing the Pharmacology-Toxicology Program of that institute.

Dr. Cosmides is a member of numerous professional organizations and honorary societies, and has won many awards including the Distinguished Scientist Award given by the American Association for the Advancement of Science.

LHNCBC Deputy Named

Dr. James M. Stengle, former Chief of both the Blood Resource Branch and the Thrombosis and Hemorrhagic Diseases Branch, Division of Blood Diseases and Resources, NHLI, has been named Deputy Director for Medical Affairs of NLM's Lister Hill National Center for Biomedical Communications. In his new position, Dr. Stengle will develop and coordinate medical programs for

the Lister Hill Center, and provide liaison for the Center with the medical community for project evaluation.

Dr. James M. Stengle

Dr. Stengle, a graduate of Oberlin College, received his M.D. from Northwestern University. His honors include the Nuffield Fellowship in Hematology from the Oxford University in England and the Public Health Service Meritorious Service Medal for recognition of his achievements in national and international hematology programs. His many scientific committee affiliations include chairmanship of both the Medical Advisory Board for the American Red Cross Blood Program and the Medical Advisory Council of the National Hemophilia Foundation. He also serves on the Council on Cerebrovascular Diseases of the American Heart Association.

Dr. Stengle came to NIH in 1953 as Clinical Associate, Laboratory of Clinical Investigations, in what is now NIAID. His NIH career from 1954 to present has included assignments in the Division of Biologics Standards, the National Cancer Institute and the Division of Research Grants.

A member of the American Society of Hematology, World Federation of Cardiology, and Associate Professor of Medicine at George Washington University, Dr. Stengle is also the author of numerous scientific articles on hematology and cardiovascular research.

Publication Notes

NLM Current Catalog Annual, 1973

An order form for the 1973 annual cumulation of the *National Library of Medicine Current Catalog* is included with this issue of the *News*. Note that the book is not scheduled to appear until July or August 1974, although orders are now being accepted by the Public Documents Department, U.S. Government Printing Office, Washington, D.C. 20402. The 1973 annual is priced at $14.35 ($17.95 foreign). The GPO catalog number is HE 20.3609/3:973.

First Quarterly CC Delayed

The first quarterly listing of the *NLM Current Catalog* for 1974 has been delayed; it is now due to appear in mid-June or early July.

1970 CIM Reprint Price Announced

Arno Press Inc. has announced a selling price of $246.00 per eight-volume set of its reprint edition of the *1970 Cumulated Index Medicus*, tentatively scheduled to appear in October. Further inquiries should be directed to Arno Press Inc., 330 Madison Avenue, New York, New York 10017.

New Literature Searches

For single copies of the following bibliographies, send a self-addressed gummed label with number and title of the requested searches to Literature Search Program, Reference Section, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014.

L.S. No. 74-5 *Acupuncture* (updates L.S. 73-9). April 1973 through April 1974. 181 citations.

L.S. No. 74-6 *Audiovisual aids, and computer assisted and programmed instruction in medical education* (updates L.S. 72-10). May 1972 through April 1974. 203 citations in English.

L.S. No. 74-7 *Audiovisual aids, and computer assisted and programmed instruction in nursing education* (updates but also includes citations

from L.S. 72-11). January through April 1974. 116 citations in English.

L.S. No. 74-8 *Audiovisual aids, and computer assisted and programmed instruction in allied health occupation education* (updates L.S. 72-13). May 1972 through April 1974. 57 citations in English.

L.S. No. 74-9 *Audiovisual aids, and computer assisted and programmed instruction in dental education* (updates L.S. 72-12). May 1972 through April 1974. 45 citations in English.

L.S. No. 74-10 *Nutrition in trauma.* January 1970 through April 1974. 229 citations.

NLM Serial Gap List—No. 5

The following journal issues are this month's continuation to the list of gaps in NLM's collection. If you can furnish any of these items, please address them to:

Technical Services Division—GAPS
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20014

Advances in Fluorine Chemistry v. 1-3, 1960-64
Annals of Clinical Biochemistry 8:1-6, 1971
California's Health 30:7,8,10, 1973
Clinical Allergy v. 1-3, 1971-73
Commission on Education in Physical Medicine and Rehabilitation Bulletin 1,3,5,6
Environmental Quality and Safety v. 1, 1972
Hospital and Health Services Review 68:2,3, 1972
International Journal of Sociology of the Family v. 1 & 2
Journal of the Canadian Dietetic Association 32:1, 1971; 33:1, 1972; 34:1-2, 1973
Journal of Clinical Pathology 23:3-4, 1970
Journal of Forensic Sciences 17:2,4, 1972
Journal of the College of General Practitioners 2:1 & 3, 1959; 11:3, 1966
Journal of Zoo Animal Medicine 4:1-3, 1973
Medical Tribune 12, 1971; 13, 1972; 14, 1973
Nature 246:5431, 1973
Omega 1:2-4, 1970
Past and Likely Future of 58 Research Libraries, 1951-1980; a Statistical Study of Growth and Change 1 and 6
Research Bulletin. American Foundation for the Blind (Also called *AFB Research Bulletin*) 1-4, 6-11
Research Series. American Foundation for the Blind (Also called *AFB Research Series*) 17, 22, 23
Urology Digest v. 1-7; 8:1-6, 1969; 11:1-5, 1972
Young Doctor's Forum v. 1, 1971